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Erratum

Designing Photoswitchable Peptides Using the AsLOV2 Domain

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We previously reported an unusually fast photocycle lifetime, 2.3 s, for our LOV-SsrAC switch. Upon further characterization of LOV-SsrAC, we have determined that the presence of ~1 mM imidazole in the buffer was responsible for the fast relaxation time. Imidazole has previously been shown to shorten the photocycle relaxation time of the LOV2 domain from *Avena Sativa* (Alexandre et al., 2007). In the absence of imidazole, we measure a relaxation time of 28.4 ± 0.1 s for LOV-SsrAC (phosphate buffered saline: 137 mM NaCl, 2.7 mM KCl, 10 mM Na_2HPO_4, 2 mM KH_2PO_4 (pH 7.4), room temperature).

REFERENCE

Alexandre, M.T., Arents, J.C., van Grondelle, R., Hellingwerf, K.J., and Kennis, J.T. (2007). A base-catalyzed mechanism for dark state recovery in the *Avena sativa* phototropin-1 LOV2 domain. Biochemistry *46*, 3129–3137.

